



# Normal Bluetooth hopping pattern using HV1

M	S	M	S	M	S	M	S	M	S	M	S	M	S	M	S	M	S	M	S	M	S	M	S	M	S	M	S	M
$f_1$	$f_2$	$f_3$	$f_4$	$f_5$	$f_6$	$f_7$	$f_8$	$f_9$	$f_{10}$	$f_{11}$	$f_{12}$	$f_{13}$	$f_{14}$	$f_{15}$	$f_{16}$	$f_{17}$	$f_{18}$	$f_{19}$	$f_{20}$	$f_{21}$	$f_{22}$	$f_{23}$	$f_{24}$	$f_{25}$	$f_{26}$	$f_{27}$	$f_{28}$	$f_{29}$

## Use of MSD to reduce number of packets

M	S	M	S	M	S	M	S	M	S	M	S			M	S			M	S			M	S	M	S	M	S	M
$f_1$	$f_2$	$f_3$	$f_4$	$f_5$	$f_6$	$f_7$	$f_8$	$f_9$	$f_{10}$	$f_{11}$	$f_{11}$			$f_{11}$	$f_{11}$			$f_{11}$	$f_{11}$			$f_{23}$	$f_{24}$	$f_{25}$	$f_{26}$	$f_{27}$	$f_{28}$	$f_{29}$

Normal Bluetooth hopping (HV1)

MSD for time  $T_i$  (HV2)

Normal Bluetooth hopping

(HV1)

→ time

FIG. 2

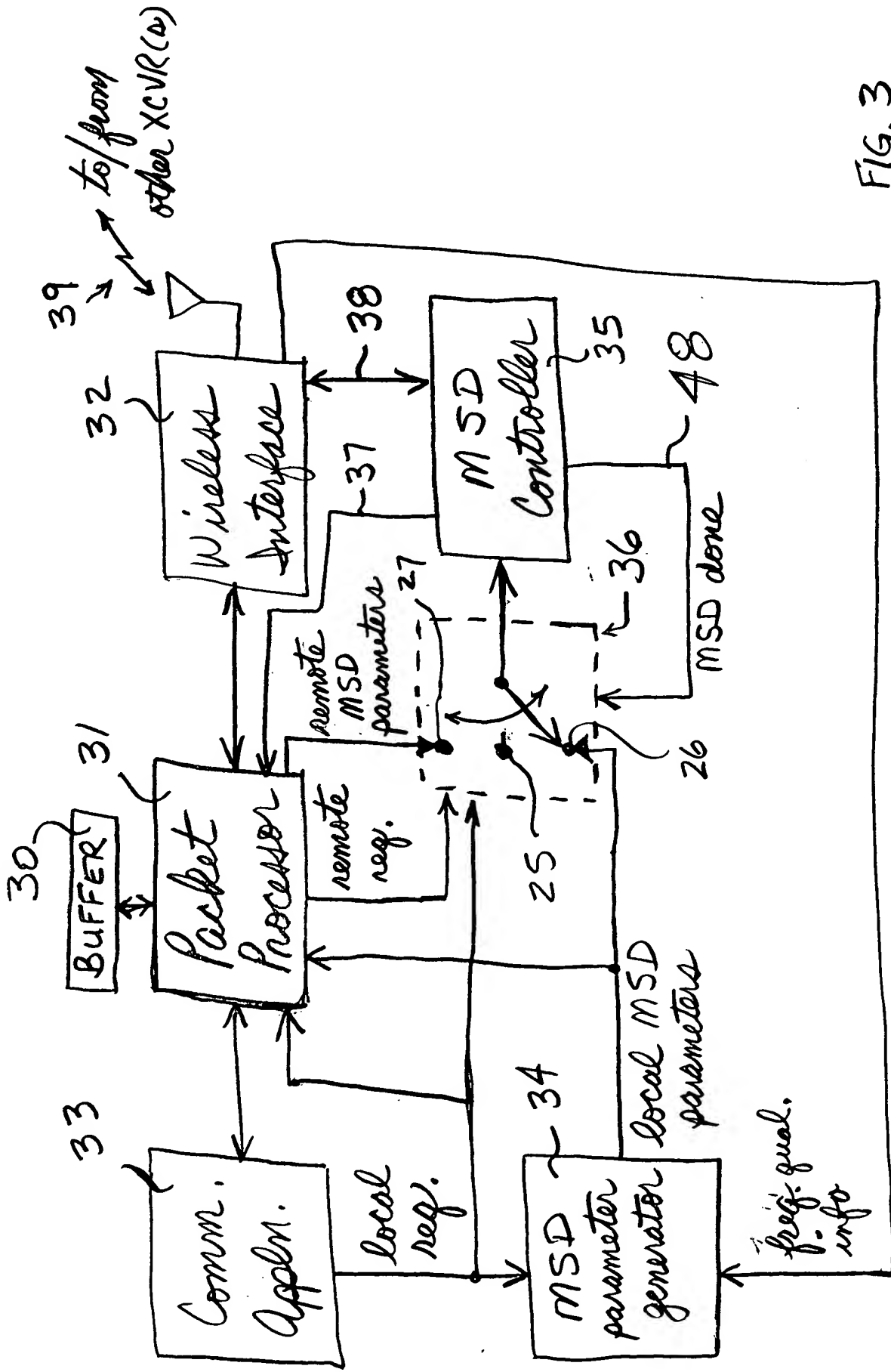


FIG. 3

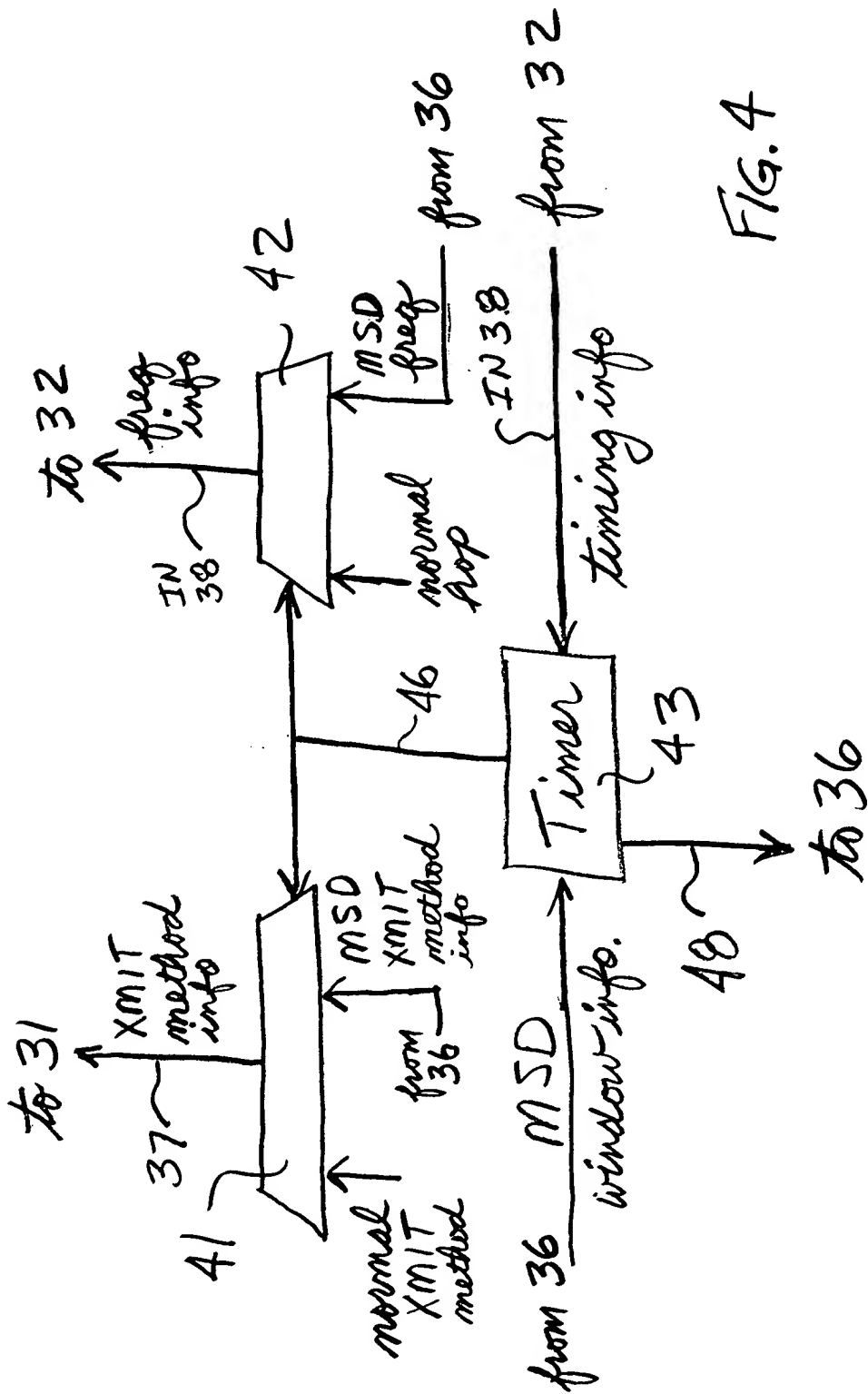


FIG. 4

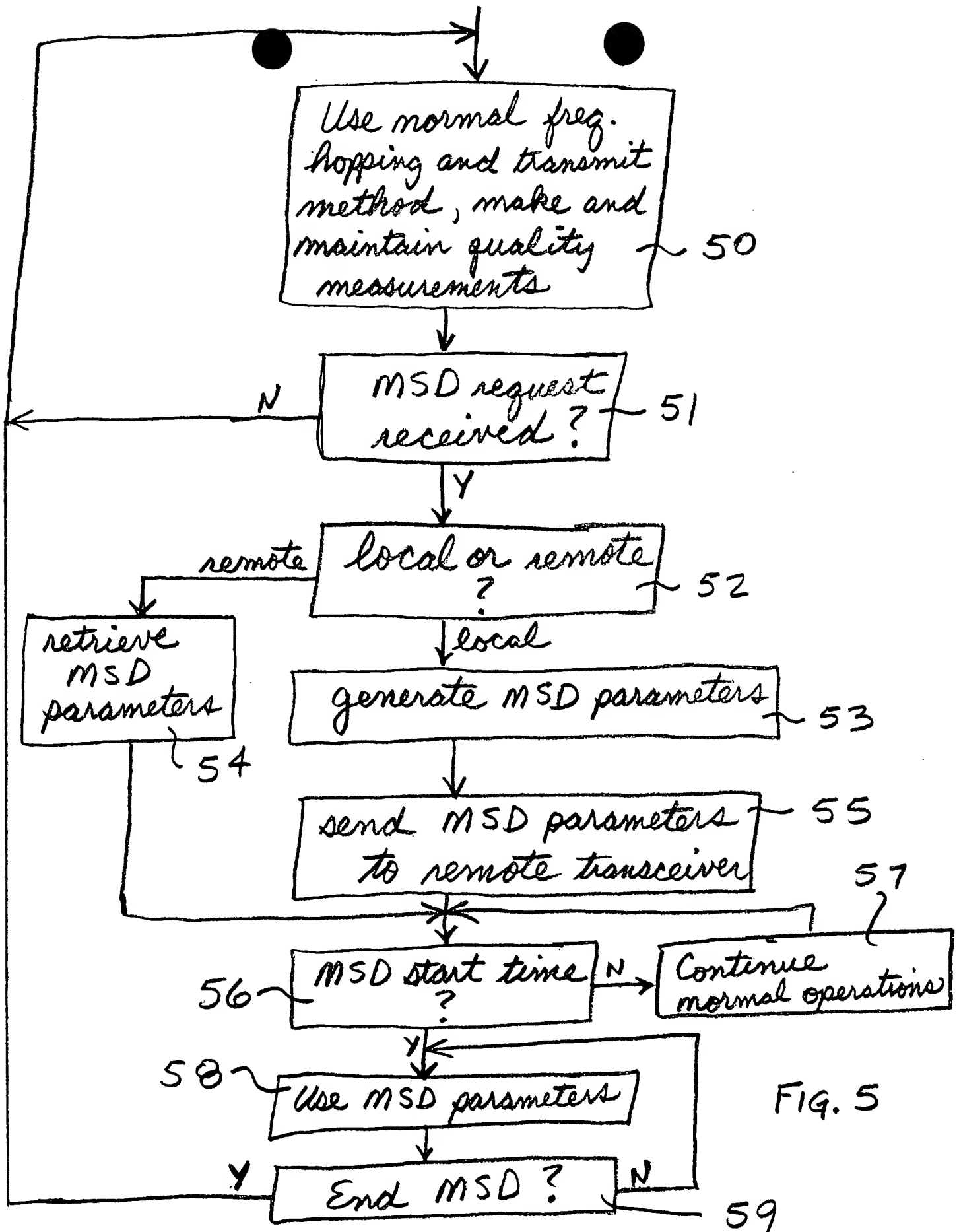
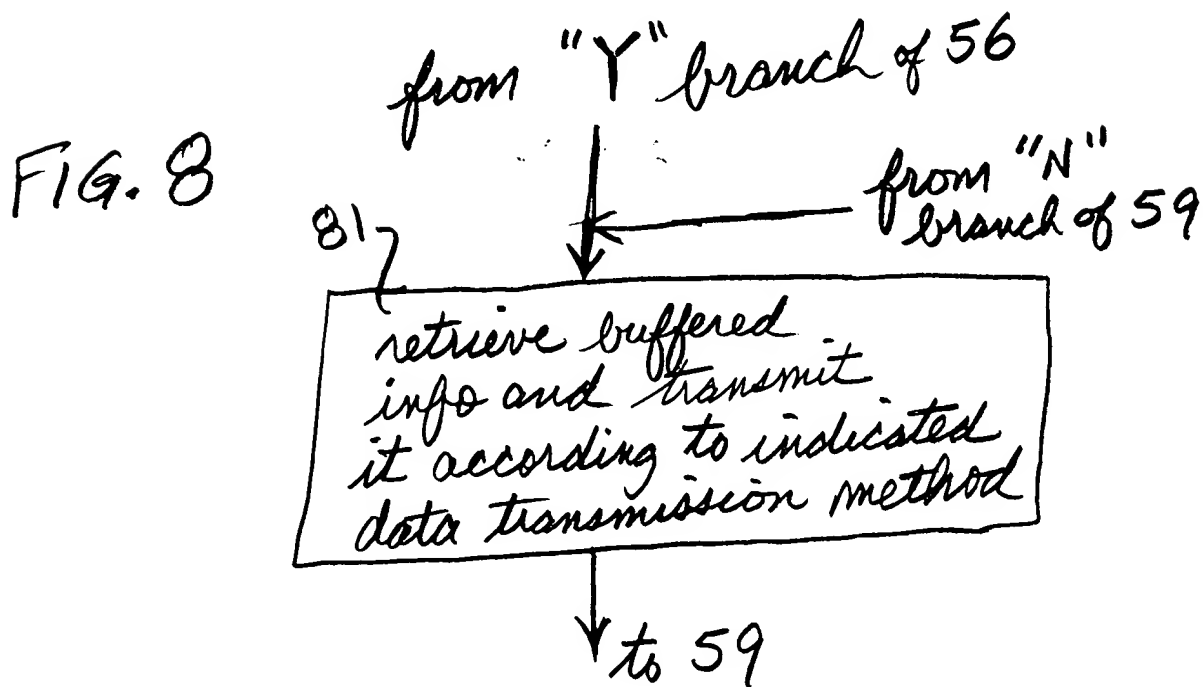
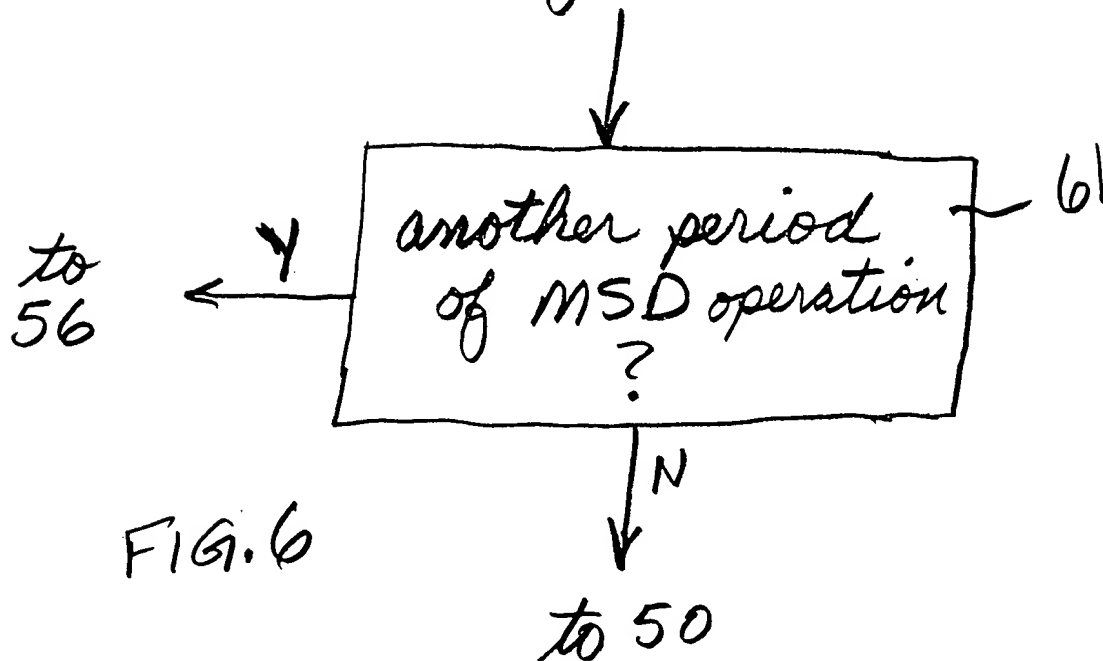


FIG. 5

from "Y" branch  
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## Data Transmission Method

Reason for MSD Request	MSD	non-MSD
Large data transfer	DHS	DM3
	DH3	DM3
	DM5	DM3
add'l. comm. activity desired	HV2	HV1
enhanced QoS desired	same as non-MSD	same as MSD
enhanced QoS desired	lower coding rate	higher coding rate

FIG. 7